



C. T. R. I.

NEWS LETTER

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During the month of July there was 213.0 mm rain in 15 rainy days which was normal. In August 209.2 mm rain was received in 11 rainy days which was slightly in excess than the average. Nursery sowings have been started in the last week of August. The germination and stand of the seedlings was good due to the cool weather. During September 214.6 mm rain was received in 11 rainy days which was in excess than normal and caused considerable damage to the nurseries. The rains have helped the Kharif crops to come up well.

A quantity of 3,843 kg. of flue-cured tobacco seed and 718kg of *Lanka* tobacco seed was distributed during this quarter and an amount of Rs. 98,400/- was realised.

MAJOR EVENTS

The Annual Research Programme Workshop Meetings were held at C. T. R. I., Rajahmundry from 14th to 16th July 1981. The meetings were inaugurated with the welcome address and report on research high lights during 1980-81 season by Dr. N. C. Gopalachari, Director, C. T. R. I., Rajahmundry with Dr. N. Shanmukha Rao, Vice-Chancellor, Jawaharlal Nehru Technological University, Hyderabad in the Chair.

The regular session of the Workshop was started with the review of work done in the Divisions of Agricultural Chemistry, Bio-Chemistry and Organic Chemistry under the Chairmanship of Dr. N. Shanmukha Rao.

Dr. M. V. Reddy, Principal, Agricultural College, Bapatla was the Chairman for the session dealing with the Divisions of Plant Breeding, Genetics and Cytogenetics.

Under the Chairmanship of Sri A. N. Singh Director, Tobacco Development, the research work pertaining to Agronomy, Plant Pathology and Entomology Divisions was reviewed.

Sri T. D. Prasada Rao, Research Manager, M/s I. T. C. (ILTD Division), Rajahmundry was the Chairman for the session pertaining to Plant Physiology, Agricultural Extension and Agricultural Engineering.

Director's visit to West Germany :

As a member of the Technical Delegation sponsored by the International Trade Centre, Dr. N. C. Gopalachari, Director, Central Tobacco Research Institute, Rajahmundry visited West Germany from 9th to 20th September 1981 to explore the possibilities of exporting our tobacco to that country. After visiting various tobacco factories, auction platforms etc., and discussing with German tobacco traders the delegation had a final round up of discussions with the Counsul-General at Hamburg and Indian

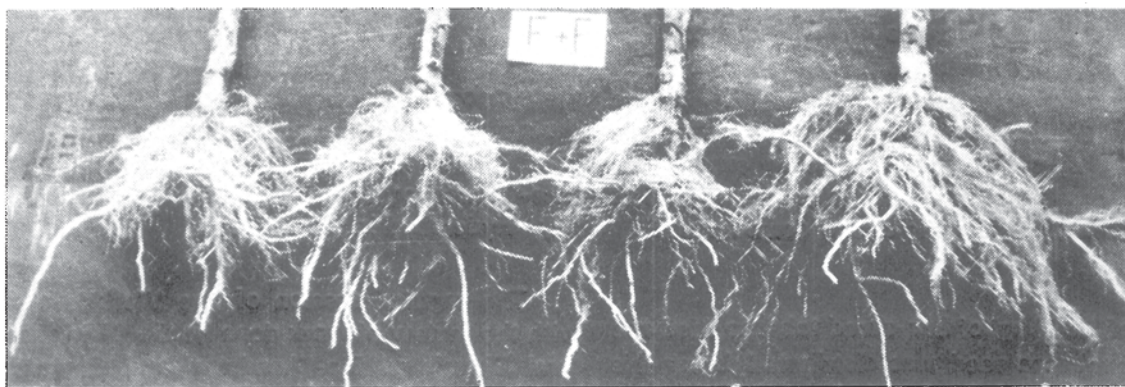
Ambassador at Bonn and a follow-up programme was chalked out for implementation in India and W. Germany.

RESEARCH HIGH LIGHTS

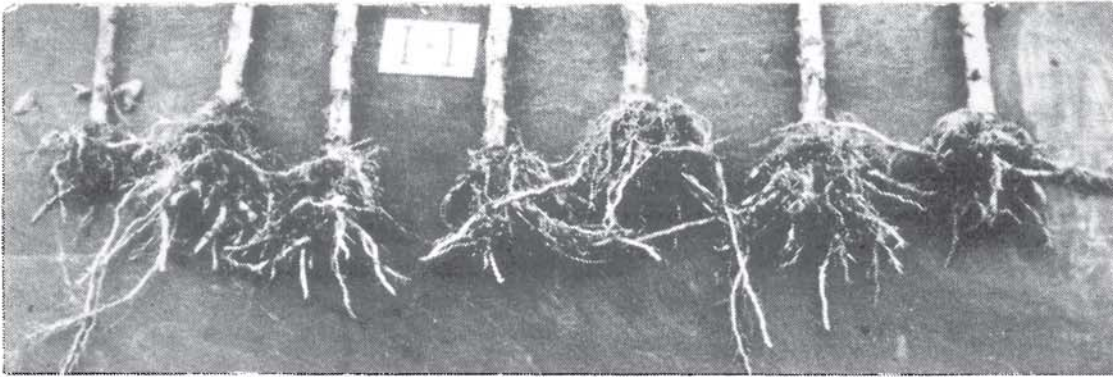
During the Annual Research Programme Workshop a tobacco mosaic virus resistant flue-cured variety was recommended for release through the State Variety Release Committee under the name "Godavari Special". This variety was developed by Dr. K. V. Krishnamurty, Sri A. B. Sastri and Dr. K. Nagarajan with the co-operation of Sarvasri P. V. Prasada Rao, A. S. Krishnamurty, T. S. N. Reddy, A. Hanumantha Rao, B. V. V. Satyanarayana Murty and I. B. Rama Mohana Rao.

A powdery mildew resistant *Lanka* tobacco variety was also recommended for release under the name "Lanka Special." This variety was developed by Dr. K. V. Krishna Murty, Sarvasri V. V. Ramana Rao, T. S. N. Reddy, G. H. Chandwani, A. B. Sastry and B. Nageswara Rao.

At C. T. R. I. Research Station, Hunsur (Karnataka) highly beneficial results were obtained in trials on control of root knot nematodes in F. C. V. Tobacco with DUROFUME fumigant (50 : 50 Ethylene Dibromide + Methyl Bromide).



Root system with profuse feeder roots from Durofume fumigated soil.



Root system with poor development, root knot galling and decay from non fumigated soil.

An F. C. V. Powdery mildew resistant line 1494, the leaf at competitive price and requested for early release of the variety for general cultivation in Karnataka. fared well in demonstration trials giving higher yield coupled with superior quality. The trade purchased



Dr. N. C. Gopalachari, Director, Tobacco Research and Sri K. Apparao, Scientist S-2 (Genetics) visiting a trial plot of powdery mildew resistant line 1494. Sri J. S. L. Moses Scientist S - 1 (P. B) is showing the plot.

LAB TO LAND PROGRAMME :**CENTRAL TOBACCO RESEARCH INSTITUTE,
RAJAHMUNDRY**

Demonstration on F. C. V. tobacco nursery was commenced in East and West Godavari Districts from 14th August 81 to the end of September '81. A total of 61 demonstration nurseries were raised in East and West Godavari Districts.

Training and demonstration on Nuclear Polyhedral Virus (NPV) for control of *Spodoptera litura*

On 10th September 1981, one day training programme was arranged for 50 tobacco nursery men of Hukumpeta and Konthamuru villages.

Dr. N. Ramakrishnan, National Fellow (ICAR), Indian Agricultural Research Institute, New Delhi (Division of

Entomology) has given a lecture on the profitability of using NPV for control of *Spodoptera litura* and gave five demonstrations at Morampudi and Hukumpeta centres for the benefit of the farmers.

CTRI RESEARCH STATION, PUSA :

Field Day : On 4-8-1981, field day was organised in the village Rajwa to train farmers to raise tobacco seedlings by improved methods. About 260 farmers of Rajwa, Rahimabad, Baghauni, Tajpur and Rampur villages participated. The field day was inaugurated by Sri K. K. P. Sinha, IAS, District Magistrate, Samastipur and was presided over by Miss S. M. Kailko, District Educational Officer, Samastipur. Bee keeping appliances were distributed to the small and marginal farmers. Medical checkup of the farm families adopted under Lab to Land Programme was done by Dr. R. D. Chaudhary, Pusa.



Sri K. K. P. Sinha, IAS, District Magistrate; Samastipur inaugurated the field day and farmers' training function in the village Rajwa on 4-8-81.



Bee keeping appliances were distributed to small and marginal farmers under Lab to Land Programme on a field day organised by CTRI Research Station, Pusa on 4-8-81.

On 10-9-81 farmers' training on mixed cropping of tobacco and sugarcane was organised, at C. T. R. I., Research Station, Pusa. The training camp was inaugurated by Sri P. K. Sinha, IAS, Commissioner, Darbhanga and was concluded by Dr. K. K. Jha, Vice Chancellor, Rajendra Agricultural University, Bihar and presided over by Sri Ram Srestha Singh, a progressive farmer of village Mahamada. Participants of the function appreciated the standing bulk crop of sugarcane taken with chewing tobacco.



Farmers, trainees and extension workers appreciated the standing bulk crop of sugarcane taken with chewing tobacco at a demonstration on the Farm of CTRI Research Station, Pusa.

TRAINEES AND VISITORS

CENTRAL TOBACCO RESEARCH INSTITUTE, RAJAHMUNDRY.

4-8 81 to 7-8-81: Inservice training programme for the technicians working at the Institute and Regional Research stations for a period of 4 days was conducted. Thirty technicians were selected for the training programme but 28 only have attended. Lectures on all aspects of tobacco production, personnel management, administration etc., were given to them by the Scientists, Administrative Officer, of the Institute and officials from NAARM, Hyderabad.



Photograph taken after the completion of the Inservice training programme organised for the technicians of the Institute and Research Stations from 4-8-81 to 7-8-81. The Director, Scientists of the Institute and A. O. and Officials of NAARM who imparted the training are seated in the chairs.

Sri R. K. Jha, Tobacco Development Co. Ltd., Janakpurdham, *NEPAL*. has completed his four months training in tobacco production technology at this Institute on 13-8-1981.

VISITORS :

- 13-8-81 : Sri P. Chandra Sekhar,
General Manager, AP State Agro Industries
Development Corporation Limited, Hyderabad.
- 18-8-81 : First batch of Inservice trainees of
Village Development Officers from Samalkot.
- 25-8-81 : Sri N. J. S. DeMel., Ceylon Tobacco Com-
pany Ltd. Colombo. *SRI LANKA*.
- 29-9-81 : Second batch of Inservice trainees of
Village Development Officers from Samalkot.

C. T. R. I. Research Station, Hunsur.

- 1-7-81 : The Rajyasabha Petitions Committee comprising
of the following members of Parliament visited.
- Sri Bipin pal Das, Chairman
- Sir Jaharlal Banerjee, Member
- Sri Kalraj Misra, Member
- Sri Manubhai Patel, Member
- Sri Ram Niwas Mirda, Member
- Smt. Amarjit Kaur, Member
- Smt. Roda Mistry, Member
- 27 & 28 7-81 : Sri S. N. Panickar, Directorate of
Tobacco Development, Madras
- 10-8-81 : Officials of Bangladesh Tobacco Company,
B. A. T., Kenya and Tobacco Industry within the
country undergoing training at A. R. T. C. of
I. L. T. D at Hunsur.
- 13-8-81 : Sri P. Mahadeva Iyer, Dy. Secretary, Ministry
of Commerce, New Delhi.
- 22-8-81: Dr. G. J. Patel, Project Co-ordinator, A.I.C. R.P.
(Tobacco), Anand and Dr. Kenchana Gowda
Chief Scientist, Agricultural Research Station
(Tobacco) Shimoga.

15-9-81 : Mr. Jan Heidstra of Casalee, Belgium and Sri
P. Seshagiri Rao, Correspondent, Tobacco In-
ternational, Guntur (AP).

24-9-81 : Sri A. Balasubramanyam, I. C. A. R., New Delhi,
and Dr. Shankara Reddy, Associate Director
A. P. A. U: team members of National Agri-
cultural Research Project of World Bank, toge-
ther with Dr. K. Krishnamurty and Dr. Purna-
pragnachar, Director and Assistant Director of
Research respectively, University of Agricultural
Sciences, Bangalore.

Sri R. K. Jha, Trainee, T. C. S. Colombo plan
has undergone training from 25th to 28th July,
81. Trainees from rural development training
centre, Kudige, Coorg District on 6-8-81 and
V. C. Farm Mandya on 17.9.81 were given
training on F. C. V. Tobacco cultivation.

Sponsored by Tobacco Board, Guntur, four
trainees underwent training on flue-curing for
10 days from 7-8 81 and two trainees on plant
position grading for 7 days from 14 9-81.

C. T. R. I. Research Station, PUSA

- 26 7-81 : Dr. N. S. Randhawa
Dy. Director General (SAE).
I. C. A. R., New Delhi.
- 22-9-81 : Dr. A. K. Ghosh, Head of the Department of
Agronomy, Allahabad Agricultural Institute,
Allahabad.

TOBACCO INSTITUTE CLUB

1. Dr. N. C. Gopalachari, President of the Tobacco
Institute Club was felicitated on 6-10-81 on the eve
of his visit to West Germany from 9th to 20th September
1981 as one of the 4 member technical delegation spon-
sored by the International Trade Centre. The function
was jointly organised by the Tobacco Institute Club
and the Seminar group and presided over by Sri
T. D. Prasada Rao, General Manager (Research) M/s
I. T. C. (ILT D Division) Rajahmundry.

Dr. A. Gopalam, Secretary of the Club welcomed the gathering. Dr. N. C. Gopalachari delivered an interesting lecture on the "Prospects of Exporting Indian tobacco to West Germany" and his general impressions on West-German culture. The audience enjoyed both these aspects very much. A slide show arranged by him was very impressive. Sri M. Bangarayya, Secretary of the Seminar group proposed vote of thanks.

2 Sri C. B. Sarma and Sri V. Soundararajan bagged the second prize in Bridge (pairs event) conducted by the Cosmopolitan Club, Rajahmundry on 29 8-81.

PERSONNEL

1) Dr. K. N. Rao Scientist Gr.S-1 (Agril. Entomology) of this Institute has been transferred as such at his request to IARI Regional Station, Hyderabad and relieved on the AN of 25th July 1981.

2) Dr. N. Krishnananda, Scientist Gr.S-1 (Agril. Entomology), IARI Regional Station, Hyderabad on his transfer as such at request has joined duty on 27th July, 1981 at this Institute.

3) Shri B. S. Ramachandrudu, Tech T-5 of this Institute has been relieved of his duties on the AN of 17th August, 1981 consequent on his selection to the post of Tech.T-7 at CMFRI, Cochin.

4) Shri R. Adinarayanan has been appointed to the post of Tech.T-II-3 (Chemistry) at this Institute on 9th September 1981.

5) Shri Neetigonda Prabhakararao, Tech. T-II-3 Agronomy CTRI Research Station, Dinhat has been transferred as such to CTRI Research Station, Guntur w.e.f. 13-8-1981.

6) Shri R.P. Srivastava, Scientist Gr.S-1 (Organic Chemistry), CTRI Research Station Dinhat has been transferred as such to CTRI Research Station, Pusa w.e.f. 4-9-1981.

7) Shri D. N. Ray, Junior Clerk, CTRI Research Station, Dinhat has been relieved of his duties on the AN of 18-8-81 consequent on his selection as Senior Clerk on deputation at JTRI, Calcutta.

PAPERS PUBLISHED

1) Virus inhibitory effect of extracts from germinating seeds of flowering plants. N. S. Murty and K. Nagarajan. *Indian Phytopathol* 33(4): 615-7, Dec 1980

2) Insect pests of tobacco in North Bengal. V. M. Chavan and R.S.N.Rao
Indian Fmg 31(4): 13, 15, 16, 1981.

3) Important insects of tobacco their identification and control (Telugu)

Leaf let No.8, pp 38. August 1981.

Edited & Compiled by SRI V. V. RAMANA RAO